KS – 6915/6917/7215/7217
Fan Free Touch Terminal
User's Manual

Rev.: A0

FCC Notes:

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

Warranty Limits:

Warranty terminates automatically when any person other than the authorized technicians opens the machine. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

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ALERT TO OUR HONORABLE CUSTOMERS:

- Please always read thoroughly all the instructions and documents delivered with the product before you do anything about it. Don't take any premature action before you have a full understanding of the consequences.
- This product contains inside a Lithium battery. Please always follow local environmental protection laws / regulations for disposal of used batteries and always replace only with battery of same type.
- If you have an UPS battery installed in the product:
  - ✧ Temperature above **40°C must be strictly avoided** as it could cause termination of battery life and unexpected result even if the battery is not in work.
  - ✧ **Do not** power off the system just by shutting off the AC power leaving the battery supporting the whole system till completely exhausted. **Repeatedly using it up or improper maintenance reduces the battery life dramatically**.
  - ✧ Always fully recharge the UPS battery at least once every 3 months if the battery is not connected.
  - ✧ Always **disconnect the UPS battery** from the system if the system is to be left OFF for more than **72 hours** to prevent possible damage. Only connect the UPS battery back right before you are going to re-power on the system.
  - ✧ Replace the UPS battery as soon as the monitoring software indicates the battery is out of service. Attempt to recharge a dead battery is **dangerous**!
  - ✧ A separate battery monitor is not required for this series.

DAILY MAINTENANCE GUIDE

For regular cleaning of the KS systems, please use only soft haired brush or dry soft cloth. You may use moist soft cloth to remove stains when necessary. Apply only proper amount of mild neutral detergent for obstinate stains. Please note that never use Acryl dissolving solvent or Polycarbonate dissolving solvent. You may apply ammonia-based glass cleaner only on the screen surface.

CAUTION

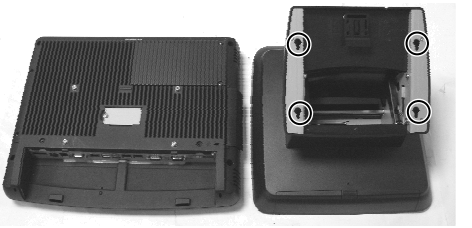
Risk of Explosion If Battery Is Replaced By An Incorrect Type
Dispose Of Used Batteries According To Local Regulations

INSTALL GUIDE

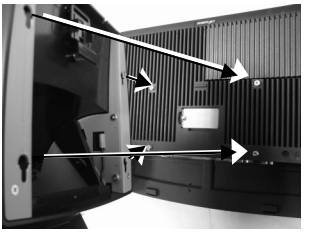
After pass through all of connecting cable from the base as instruct in part 10 & 11, please follow the steps to install the terminal and base stand carefully when first time open the carton.

Since the monitor and stand are packaged separately, please **Take Out and Hold the PE foams Carefully** and **DO NOT detach and drop it**.

After take the PE foam out from the carton, please remove the PE foam with extra care and make sure place the terminal and stand on a soft clean flat surface such as table and as show in the picture at the right side.



Please find the four holes in the top of stand. Take the stand and align these four matching holes to the four matching pegs which are in the back on terminal.

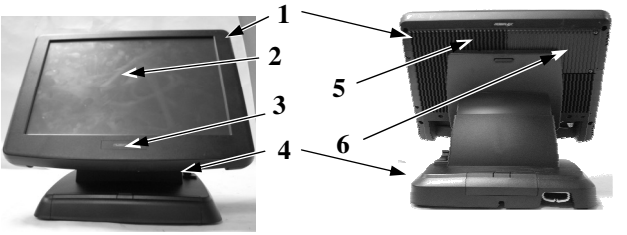


After matching the stand and terminal, push the stand to the arrowed direction as show in the right picture. At this time, turn the terminal to the normal position and plug the power then it can start to use.

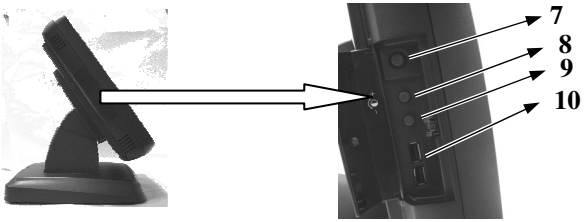
INTRODUCTION

PRODUCT PICTURES FOR Gen.5 BASE STAND

Front Views **Rear Views**

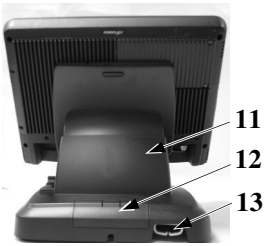


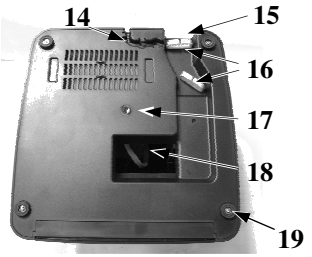
Side Views



Inside touch open door

Base Stand and Bottom View



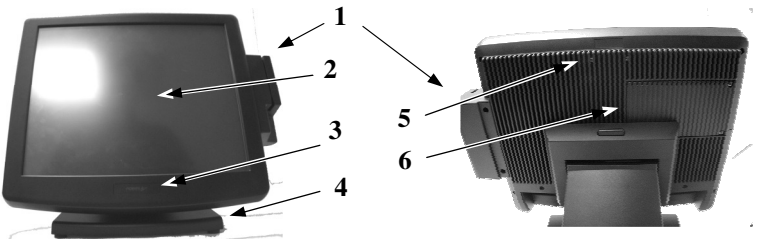


PARTS IDENTIFICATION

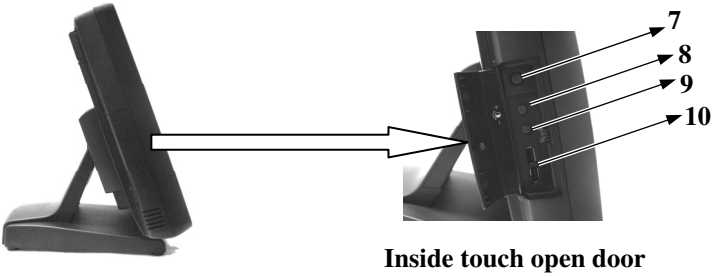
1. Main Unit
2. Touch panel / LCD panel
3. Power indicator
4. Gen 5 base stand
5. Screw holes for optional rear top mount kit such as PD-310 or PD-2604 or LM-2312 or LM-8035
6. HDD cover
7. Power switch
8. Brightness adjust push button "**+**"
9. Brightness adjust push button "**-**"
10. USB ports
11. Base stand
12. Compression lock for base stand cover
13. Cable exit
14. Cable groove
15. Cable exit
16. Cable holder
17. Bottom plate
18. Cable passage in bottom plate
19. Rubber feet with bottom plate fixing screw

PRODUCT PICTURES FOR Gen.6 BASE STAND

Front Views **Rear Views**

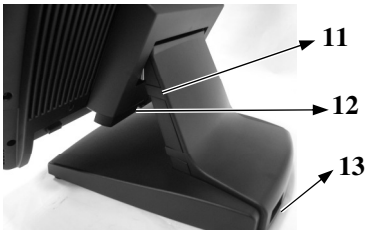


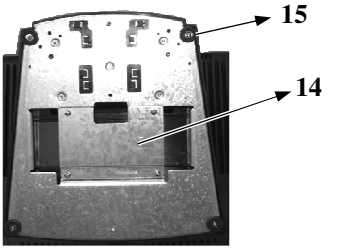
Side Views



Inside touch open door

Base Stand and Bottom View





PARTS IDENTIFICATION

1. Optional Side mount kit
2. Touch panel / LCD panel
3. Power indicator
4. Gen 6 slim base
5. Screw holes for optional rear top mount kit PD-310 or PD-2604 or LM-2312 or LM-8035
6. HDD cover

7. Power switch
8. Brightness adjust push button "**+**"
9. Brightness adjust push button "**-**"
10. USB ports
11. Compression locks for base stand cover
12. Cable groove
13. Cable exit
14. UPS battery bracket
15. Rubber feet with bottom plate fixing screw

PRODUCT FEATURES

Standard Features:

a) CPU: Intel Pine View D-SC 1.8GHz for KS-6915/6917, Pine View D-DC D525 Dual Core CPU for KS-7215/7217.
b) Fan free structure with Aluminum die-cast main unit casing for harsh environment.
c) Data storage device: 2.5" SATA HDD in main unit or optional SSD in main unit or optional CF card reader adaptor & CF card in main unit or optional SATA HDD in base with optional RAID 1 control
d) An advanced slim base design that supports 2nd LCD display or pole mount customer display on rear base, storage room for optional 2.5" HDD and optional UPS battery in base. Also possible to be without base but wall mount bracket for wall mount application.
e) Support WEPOS, POS Ready, Win7 and Linux environment
f) High quality 15"/17" TFT active matrix LCD panel
g) LCD panel with easy tilt angle adjustment from 15° to 60°
h) LCD brightness adjust buttons at side of main unit
i) Durable resistive type touch panel that endures 10 million touches min. at same spot (Infra Red type optional)
j) Water resistant structure allowing easy cleaning
k) Easy maintenance construction
l) Various I/O ports supported, including:
    1. 4 serial ports with 2 of DB9 connectors and 2 of 10 pin RJ45 type modular connector. The COM1/2/3/4 connectors are supported with capability for +5V DC support through BIOS setup and Jumper setting.
    2. +12V DC power supply for COM 1/2/3/4 through jumper setting.
    3. 7 standard USB ports with 2 at side, 4 in I/O area and 1 internal proprietary port for extension device.
    4. one LAN port Ethernet 10/100/1000 Base T with LAN status

indicators on jack (green for link, orange for data transmission)

5. one external VGA monitor port with +12V DC support through BIOS setup
6. one SATA port with one 4 pin power connector for optional RAID SATA HDD in base
7. LED indicators for systems operation status
8. one built-in internal 2W speaker
9. one CR port capable of controlling 2 cash drawers max.
10. reserved one LPT interface through use of optional special cable in service window
11. one 4 pin lock type DC 12 V power input connector
12. one 4 pin connector for optional UPS battery in base

m) **Touch control functions**: left/right button, double click, drag & draw

n) Dual display support (per OS capability)

o) VGA memory support DVMT 4.0.

p) Support high performance **DDR3 SDRAM** with maximum memory size 4GB in one SODIMM.

q) Integrated structure for side mount upgrade kit like SD-400W/SD-400T/SD-600/SD-800 with software programmable MSR for WEPOS or Win XP pro

r) **Preconditioned power up function** – by alarm clock or COM port MODEM ring or LAN

Option Items:

Note: The underlined items in the following list means that option must be set prior to shipment from the factory. The rest items can be set by the dealers.

a) DDR3 SODIMM memory expansions up to 4GB max in one SODIMM.

b) CF card reader kit or SSD kit (It can't coexist with HDD in main unit)

c) RAID 1 control for both SATA HDD's in main unit and in base

d) RS232 interface Infra-Red type touch panel

e) PS/2 touch control interface.

f) Integrated side mount upgrade kit:
- ✧ SD-400W/SD-400T/SD-600/SD-800: with options MSR, optical fingerprint sensor, RFID or Wi-Fi.
- ✧ KP300W: Programmable keypad with options MSR, smart card reader

g) Integrated rear base mount device such as
VFD pole display: PD2602/PD2605
LCD pole display: PD-306/PD-309
Graphics LCD display: PD-76X2/PD-76X4
12" second LCD monitor: LM-6101B

15” second LCD monitor: LM-6501B/LM-8015/LM-8025/
LM/TM-8045/LM-8055

h) Integrated rear top mount upgrade kit such as PD-310 LCD customer display or PD-2604 VFD customer display or LM-2312 12” second LCD monitor or LM-8035 15” second LCD monitor.
i) Preload OS Win XP Pro, POS Ready, Win 7 or Linux
j) Wireless LAN adaptor in USB interface
k) RJ45 to DB9 serial port conversion cable
l) Split cable for 2 cash drawer control
m) LPT interface conversion cable
n) Wall mount kit: WB-6000VB
o) Omni-direction bar code scanner kit SK-200

INSTALLATION GUIDES

CAUTION: Before any installation or cable connection to the set, please always make certain that the system is turned off and the external power source to the set is removed to prevent electric hazard! Never touch any metal pin in the connectors or circuits to avoid high voltage hazard or electrostatic discharge damage unless the operator is well grounded. Failure to do the above will void the product warranty!

TECHNICAL MANEUVERS

Some technical maneuvers in KS-6915/6917/7215/7217 series such as serial COM port +5V/+12V power supply settings and VGA port +12V power supply setting are supported in system BIOS or Jumper setting. Nevertheless, such support is limited to the applications of specific Posiflex peripherals and must be disabled when the Posiflex peripherals are disconnected. **Failure to follow the discipline would result in electric or fire hazard and such consequences are not covered by product warranty!**

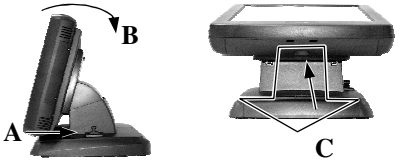
OPENING CABLE COVER

Please follow steps sequentially with reference to pictures below to remove the cable cover for Gen 5 or Gen 6 slim base models.

Step A: Turn panel backward to most horizontal position

Step B: Pull at the removal hollow toward the user

Step A: Push lock/release lever for tilt angle adjust backward
Step B: Turn panel backward to most horizontal position
Step C: Pull at the removable cover toward the user



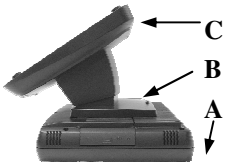
DISCONNECTING ALL CABLES

After removal of the cable cover, the connector area will be accessible then. Please **first note orientations of every existing cable connection** and then disconnect every cable properly before separating the main unit from the adjustable stand assembly. Please note that the click lock spring has to be pressed down prior to pulling out the connector such as the LAN port or the CR port or the alternate RJ45 form COM3/4 port. Please also note that the fixing screws have to be loosened free prior to disconnection such as the 2 regular DB9 form COM ports or the VGA port. Please **always hold the connector head** instead of pulling on the cable wire when disconnecting any connector. Failure to do this could damage the cable and jack that is considered as an **artificial destruction. Damages due to incorrect disconnection operation are not covered by product warranty!**

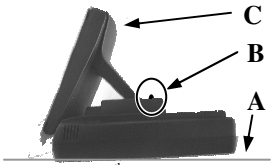
SEPARATING MAIN UNIT

In order to settle the touch terminal properly in a point of sale system, all the cable connections have to be routed through its base, either slim or universal. Therefore, please observe the procedures from A to C below to separate the main unit from the slim base stand assembly after all cables in cable cover disconnected.

Step A: Prepare a soft clean flat surface, such as a piece of cloth on the desk to seat the front surface of main unit
Step B: Press the Lock/Release button for main unit detach and meantime.
Step C: Slide the base stand assembly to left to separate the main unit from base stand.



Gen.5th base stand.



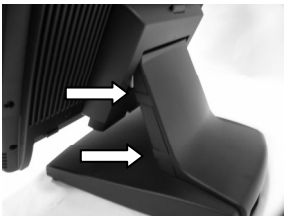
Gen.6th base stand.

INSTALLING UPS BATTERY (OPTION) For Gen 6 Base

The optional UPS battery is delivered in the carton if it is ordered. For slim base model, please refer to the left picture and place the UPS battery in the cavity in base with the rectangular marked end first. Route the battery connection cable together with all other external connection cables through the arrow marked passage to the battery connector on the main unit. If the optional cable clip is available, insert it into a hole marked in circle in the picture and use it to hold the battery cable. The UPS battery will be held in place when the bottom plate is screwed back. As for Gen 6 super slim base model, please remove the UPS battery bracket on bottom of the stand assembly instead of the bottom plate as in the right picture.

CABLE PASSAGE FROM BOTTOM For Gen 6 SLIM Base

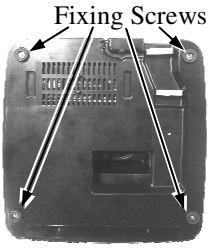
Please route all cables through the cable passage to main unit in desktop mount application. Pull the compress lock to open the back cover of base stand. Hold them together with a cable tie. Pass all cables through the cable exit to external connections.



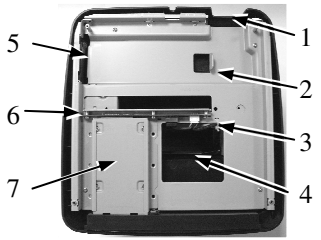
OPENING STAND ASSEMBLY For Gen 5 Base

Take the adjustable stand assembly and turn it up side down to show the bottom of the base. Remove the bottom plate fixing screws in rubber feet to open the bottom plate as in the picture at the right.

The inside of an example base will look like the picture below with numbered items listed. However, there could be some variation to the contents inside depending on what option items actually installed.



Base bottom



Inside base bottom

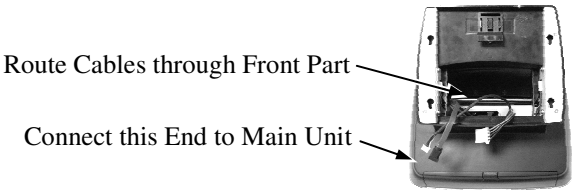
1. Cable Exit
2. UPS Battery Stopper
3. Cable Tie for Option HDD Cables
4. Cable Passage To Main Unit For Desktop Mount Application
5. UPS Battery End Hold
6. Option HDD Conversion Board
7. Option HDD Bracket

INSTALLING UPS BATTERY (OPTION) For Gen 5 Base

When the KS-6915/6917/7215/7217 systems are ordered with the UPS battery, the UPS battery is separately stored in the carton at delivery. Please take the battery out and place it into the battery compartment by first putting in the end of UPS battery without cable in the UPS battery end hold of the base and have the end of UPS battery with cable held against the UPS battery stopper in the base as indicated in picture above. Route the UPS battery cable to reach for main unit through the cable passage in the base. Apply the bottom plate and screws the UPS battery will be held in place. Connect the UPS battery to UPS battery connector of the main unit **only when the system is about to power up for operation**. **Always disconnect the UPS battery** when the system is to be left powered off for more than few days. Please pay particular attention to the environment requirement for UPS battery in next chapter "USING THE TOUCH TERMINAL".

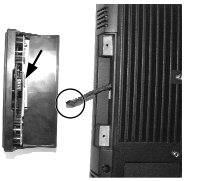
CABLE PASSAGE FROM BOTTOM For Gen 5 Base

Place all the cables required for connections to the main unit except those for the integrated attachment through the front part inside the base stand assembly. Be sure not to damage any cable during this operation.



Now, turn the adjustable base stand assembly back to normal orientation and arrange all cables to come out of the area for mounting main unit from the bottom edge for ease of later operation.

SIDE MOUNT UPGRADE KIT



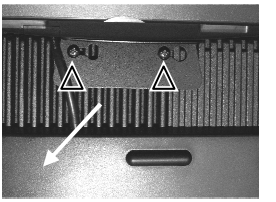
Remove the 2 circled screws in last picture above to remove the cover for side mount upgrade kit. Take out the cable inside this cover as circled in right picture and connect it to connector inside the side mount upgrade kit as arrowed in same picture. Gently arrange the excessive length of this cable back in the hole and screw-fit it back to the position originally occupied by the cover. Please reserve the cover if there is chance to have the side mount kit removed in the future.

BASE MOUNT UPGRADE KIT

Please follow the instructions on the manual that comes along with the customer display PD- 306 / 309 / 2602 / 2605 / 76X2 / 76X4 /LM-8015/LM-8025/LM/TM-8045/LM-8055 if installed.

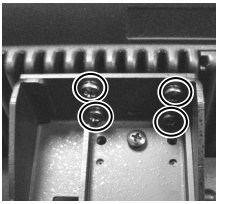
REAR TOP MOUNT UPGRADE KIT

1. For Customer Pole Display:



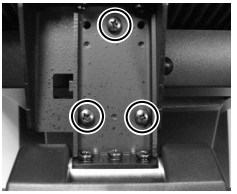
Please apply carefully the 2 small fixation shoulder screws that come along with PD-310 or PD-2604 to the back of KS-6915/6917/7215/7217 at the screw hole triangle marked in the 2 upper right pictures. However please do not screw them to the bottom but at a position that is about 1 turn loose from the bottom. Similarly please loosen the screws by 1 turn for some KS models with these 2 screws preinstalled. Hook the rear bracket of the upgrade kit onto the shoulder screws with the large circular holes. Slide to the right of the upgrade kit and gently tighten the shoulder screws. **Do not overdo the tightening or unrecoverable thread damage will occur.** Arrange the interface cable to enter the base stand at a notch on the edge near the lock/release button as indicated by white arrow in above picture. Remember to enable the +5 V DC supply in the COM port of the main unit for the upgrade kit if the serial interface model is used. The power supply in the I/O port must be disabled if it is no longer to support these intended devices otherwise **any damage or loss caused consequently shall be out of product warranty!**

2. For Second LCD Display



There are two parts of LM-2312/LM-8035 bracket need to combine during the installation process and please refer to the following steps to assemble properly.
Please take out the join bracket and use the attached 4 pcs long screws to fasten this bracket to the main unit back cover which circled in the right picture.
Then, hold the monitor with bracket and aim to join bracket which just fixed

on the main unit and fasten these 3 pcs short screws which circled in the right picture.
Next, please connect the VGA Cable to the LM VGA port and route the VGA cable through the cable exit of the base stand to the system VGA ports.



Note: When KS-6915/6917/7215/7217 series equipping with LM-80X5 series 15" second LCD monitor is must be upgrade system power adaptor from 60W to 80W.

CONNECTING CASH DRAWER (OPTION)

The RJ11 connector in I/O area of a KS-6915/6917/7215/7217 system can be used for controlling most of the common cash drawers available on the market. However, it is most recommended to use Posiflex CR-2200 or CR-2210 or CR-3100 or CR-4000 or CR-4100 or CR-6300 for best compliance to operate the opening mechanism and to monitor the drawer open status.

This cable of Cash Drawer has a 6-pole plug at one end and an 8-pole plug at the other. The 8-pole plug should be inserted into the connector of the cash drawer which marked "Signal". The 6-pole plug should be inserted in the connector marked "CR" which can found in the main connection area in the system.

The user may also purchase the optional 2-in-1 cash drawer control cable to control 2 cash drawers in 1 port. It has a 6-pole plug at one end and two 8-pole plugs at the other. The 6-pole plug should be inserted in the connector marked "CR" found in the I/O area in the system. Each 8-pole plug should be inserted into the connector marked "signal cable from POS Printer" at the rear of one of the cash drawers.

CONNECTING CABLES

To have the re-assembled main unit with stand assembly ready for operation, please connect all required cables to the appropriate connectors. Please make sure that each connector is connected to the correct port with the correct orientation. **Damages due to incorrect connection or orientation are not covered by product warranty!**

Some connectors like the COM3/4, LAN or CR connector have to be gently inserted until a click sound is heard. It is recommended that connectors such as the COM1/2 and VGA connector be screwed into place once seated.

Re-adjust the tilt angle of the screen for best viewing. Connect the cables to appropriate external devices through the cable exit at the bottom of stand assembly. Please make sure that each connector has to be connected to the right device in the right way.

CAUTION: On doing any insertion or extraction of any connector, please always hold the connector head itself instead of pulling on the cable wire. Failure to do this could damage the cable and jack that is considered as an artificial destruction and is not covered by the warranty.

WALL MOUNTING

WB-6000VB

The wall mount model is delivered without any base but with a wall mount kit. Please follow the installation guide that comes with the wall mount bracket to fix the wall mount bracket on wall and then hang the main unit with the matching pegs into the matching holes on wall mount bracket.

Please note that since there is no base for the wall mount model there can be no base installed device nor base mount kit. The area required for wall mount application is determined by the main unit dimensions and is 378 mm in width and 312 mm in height.

UPGRADE WALL MOUNT KIT

There is an upgrade wall mount kit coded as SK-200 that supports an omni-directional Laser bar code scanner as a derivation from the basic wall mount bracket WB-6000VB. With this kit, the Laser scanner is installed under the KS system. Please follow the instructions that come with this kit to install and to utilize it.

OPERATING SYSTEM RECOVERY

For KS systems with operating system in the CF card once the CF card is damaged, a **bootable new CF card will be required to have the workstation back to work**. Please follow instructions given by the System Integrator to deal with such situations.

For KS systems preloaded with Windows XP Pro / WEPOS / POS Ready/ Win 7 on HDD, Posiflex provides recovery DVD delivered with the touch terminal for the preloaded operating system. The System Integrator shall take care of software restoration after OS recovered. A Posiflex supplied USB interface COMBO drive will be required for such action. Other brand CDROM drive

may require its own driver different from what supported in the recovery DVD.

Please use the recovery DVD in rescue operation only. Using it otherwise may wipe out whatever stored in the HDD! All upgrade devices drivers needed for manual installation in usual way are available in the subfolder "\drivers" in OS recovered HDD and the latest versions of these required drivers will be available on our web: http://www.posiflex.com.tw. Then follow instructions from your system integrator for software recovery.

OPERATING SYSTEM INSTALLATION

This product is highly professionalized equipment. The installation of an OS into a machine without any preloaded OS could be a major difficulty for average user or obstacle by possibly unintentional negligence even for PC veterans to accomplish such a task. Therefore, OS installation into a system without preloaded OS is highly discouraged. Posiflex Technology, Inc. shall not be responsible for any technical support to questions on this aspect.

USING THE TOUCH TERMINAL

APPLICATION ENVIRONMENT

It is **very** important that you check the following operational guidelines:

Ventilation

This terminal must **NOT** be operated in an environment with restricted ventilation. There must be at least 25 mm air clearance around any top or side ventilation holes with a free flow of air around the unit at **ALL** times for the installation.

Operating Environment

The equipment must not be operated or stored in extremes of both temperature and humidity/moisture. (Operating range 0°C to 40°C and up to 80% humidity – non condensing, max. wet bulb 26°C)

UPS Battery (option)

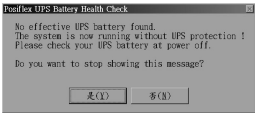
General care:

The UPS battery is consumables beyond product warranty. Please definitely observe the alerts in beginning of this manual. If the equipment is to be powered off for more than few days, please always **disconnect** the battery from the system. Reconnect it and turn on the system to recharge the battery

for 1 ~ 2 hours every 3 months for temperature lower than 30°C. Recharge for 1 ~ 2 hours every month for temperature over 30°C. Temperature above **40°C must be strictly avoided** as it could cause termination of battery life and unexpected result even if the battery is not in work. The UPS battery can support basically the data preservation and smooth running of the system during intermittent or few minutes (30 min. up depending on loading and battery condition) power failure.

Battery replacement:

When the UPS battery is installed, the user can install the utility Power Manager that will interface the UPS battery monitor status with user. Find "PSW_vxxx" in the folder \drivers of the preloaded OS or search in the product information CD to install it. Please replace the used up UPS battery at power off whenever the message at the right appears.


Ponifiex UPS Battery Health Check
No effective UPS battery found.
The system is now running without UPS protection !
Please check your UPS battery at power off.
Do you want to stop showing this message?

Emergency treatment:

The battery is constructed maintenance free and leak-proof. It is well protected in KS system as long as the ambient temperature remains below 30°C and the ventilation of the KS system remains free. However, should any accident happen and the sulfuric acid from the battery spills on skin or clothing, wash immediately with water. If the acid comes in contact with eyes, rinse eyes with large amount of clean water and see a doctor immediately. A larger external battery may be connected to give an extended operation. Please check your dealer about this capability when required.

CAUTION:

If there are any signs of over charging or leakage of electrolyte please contact your dealer immediately!

Power Supply

The operating voltage range of the power adaptor should cover the local power supply for proper operation. The power cable, the power outlet and any power fusing arrangements must conform to local safety regulations.

Please **never do any connection / disconnection** when system is still powered on. **Please always keep the external power adaptor in a free air circulation.**

POWER ON/OFF

Touch Open Cover

Please refer to the previous chapter **PRODUCT PICTURE** during this part in order to find out the buttons. A gentle tap on the touch open cover at left side of the main unit will open the cover and show the power switch at top area. It

is preferable to keep this door closed through daily operation.

There must always be at least 10 seconds waiting before switching on again once the system is powered off successfully.

Power Indicator

There is a power indicator LED module serving for several purposes under the logo at center of lower rim of LCD panel. The relationship between the indicator status and other conditions is summarized in following table:

Indicator Status	System Status	External Power	UPS Battery	Powering Up
Off	Off	Off	Not present	Not possible
Off	Off	Off	Present	Not allowed
Green	Off	On	No influence	Allowed
Blue	On	On	No influence	Not required
Blue/flash	On	Off	Activated	Not required
Green/rapid flash	On	Off	Running at low capacity	Not required

Hardware Power Switch

The power switch located in the touch open cover of the main unit is a tactile pushbutton switch. This switch controls the power on/off of the system. This switch turns the system on when pushed only when external power is present. This switch turns the system off when pushed again during power on status. However, if the system hangs due to any reason such as software resource conflict a simple push on the switch may fail to turn off the power. In this case, please utilize the **forced power off feature** by pressing the switch and holding for within 10 seconds. In case the turmoil is so vigorous that some hardware registers may be confused causing trouble for system restart or even this forced power off, please disconnect the UPS battery if installed and the AC power supply for few minutes. This may reset all hardware registers.

This switch can also be programmed as an ON only switch. That means, if the application program issues a command compliant with the KS series technical manual, this switch will always turn the system on when activated, but will not power off the system when pushed again (the forced power off feature will not work in this mode). When using this feature, please make sure that the software application has the ability to power off the machine. In preloaded Windows, “Posiflex Power Switch Manager” in “Posiflex Tools” in the Program Files helps managing these functions.

Software Support Features

The KS series provides a software power off command for application program maneuvers. The KS also provides a specific means for the software to detect if the system is working on external or UPS battery power. Due to this feature, compatible software applications have the ability to change operating conditions when running on standard/backup power. The software programmer may take reference from the KS technical manual to apply such features.

Automatic Power on Control

The KS system may also turn on according to some preset conditions such as Modem Ring Up and Alarm Clock Wake Up or LAN Wake Up.

To utilize Modem Ring Up or Alarm Clock Wake Up function, the user should enter the BIOS setup by pressing "Del" key at system boot up, choose in "Power Management Setup" and make the "Power On by Ring" enabled for Modem Ring Up or enable the "Resume by Alarm" for Alarm Clock Wake Up. Save the configuration and exit the BIOS setup program. The Preset Power On Control will then be ready. For LAN wakeup, the item "PCI Express PM Function" must be enabled in "Power Management Setup" and an operating caller system connected through LAN to the system is required. It also requires a qualified networking technician to check the LAN chip ID of the system for the caller system to wake up.

When the KS system is turned off after a successful boot up, the preset automatic power on functions will keep monitoring for the preset conditions and turn on the system when the preset conditions are met.

Please note that if the KS system is improperly turned off before a complete boot up procedure, the above preset power on control functions will be disabled until next turning off after a complete boot up.

BRIGHTNESS CONTROL

In the left side of the main unit below the power switch, there are brightness adjust push button switches and two USB connectors. Each single press on the + or – button changes the LCD panel display brightness by a small amount. When you press and hold the button the change will keep on until release or extreme condition matched. For those control buttons, please refer to the previous chapter.

USB PORTS

There are in total 7 USB ports for external connection: 2 at left side below

power switch and LCD brightness adjust buttons; 4 in I/O area, 1 proprietary port for extension device. All of them comply with USB 2.0 standard.

DISPLAY ISSUES

Main LCD Display

For best viewing result please set your display resolution at 1240 x 1024 for 17" LCD and 1024 x 768 for 15" LCD with high color. The system Video Memory is shared from system memory. The video memory size is default 8 MB and can support DVMT up to 224 MB.

VGA Port

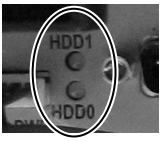
The VGA port in the KS-6915/6917/7215/7217 system supports either a separately connected LCD monitor or touch monitor. To support the DC power to the Posiflex LCD display, have a qualified technician to set the power supply in KS main unit through the VGA connector according to Posiflex technical information. **Do not connect other monitor to this port before the power in this port is disabled.**

Note: When 2nd display is connected, the screen display of system boot up stage and application in some OS will be smaller than usual in both 1st and 2nd displays.

SERIAL PORTS – COM1/2/3/4

In KS-6915/6917/7215/7217 system, there are 2 serial ports in form of DB 9 pin male connectors and 2 in form of 10 pin RJ45 type modular connector available. Both DB 9 serial ports can supply a +5 V or +12V DC after proper BIOS setup. **However, do not connect any other device to this port before the power in this port is disabled.**

STORAGE DEVICES



The standard system storage device is a 2.5" SATA HDD in the main unit. This device can be replaced with an option SSD or an option CF memory card reader. There is also an option to have SATA HDD in the base and another option to have also a RAID control. In the system I/O area between the COM1 connector and the SATA port there are 2 LED's as marked in the right picture to indicate the operation status of the HDD's. When the RAID function is engaged, the lower LED (marked HDD0) indicates the status of the primary HDD (the one in main unit) and the upper LED (marked HDD1) indicates the secondary HDD (the one in base). When there is no RAID function, the lower LED (HDD0) indicates status of either HDD and the upper LED (HDD1) indicates the status of optional CF card.

PARALLEL PORT

In KS-6915/6917/7215/7217 system, the parallel port can be available only through use of the optional conversion cable. It should be connected to the special connector inside the service window as described earlier. The other end of the cable is the normal 25 pin D sub female LPT connector.

TOUCH PANEL

All paragraphs below are applicable for models with touch panel only. The user of those models without touch panel can ignore them and consider this user's manual ends here.

Mouse Emulation

When the touch driver is properly installed, this touch panel works exactly like a standard mouse for each interface. However, if the system is running under safe mode, the touch panel calibration may become unsatisfactory due to disabled drivers. It is recommended to use a standard USB mouse or keyboard in this mode.

All the below mentioned mouse emulation functions can be manipulated through relevant software. The system can give a beep and a click on the left button of a mouse at the point when the touch panel is touched. If the point touched is dragged across the screen surface, it works as the mouse drag and drop feature. If the point is touched, released and touched within a short time interval, it is double-clicking left button of the mouse. To obtain the effect like clicking on the right button of a mouse, touching any point on the screen surface after touching the right-click sticky button results as a click on the right button of the mouse at that point.

Posiflex USB Touch Manager

A program named "Posiflex USB Touch Manager" and a right-click sticky button tool in the program group "Posiflex USB Touch Tools" is installed in the preloaded Windows system with a USB interface touch panel controller. This program can also be obtained by download from the POSIFLEX web site.

RS232 Touch Controller

If the KS system purchased is the leading edge Infra Red type touch models, the touch controller is RS232 interface and using an internally reserved COM port. The "Posiflex USB Touch Manager" above should be disregarded.

Once the RS232 touch controller driver is installed, the user can utilize it to control the mouse emulation. Please click "Start", "Settings" "Control Panel" and "Elo Touchscreen" or just click the "elo" icon in tool tray to engage this utility.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

POSIFLEX T31454
警告使用者
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。